INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L21/762

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ccc} \text{Minimum documentation searched (classification system followed by classification symbols)} \\ \text{IPC 7} & \text{H01L} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Υ .	US 2003/129780 A1 (AUBERTON-HERVE ANDRE) 10 July 2003 (2003-07-10) paragraphs '0044!, '0083! - '0094!, '0115! - '0118!; figures 1,5,7	1–19
Υ	EP 0 975 011 A (CANON KK) 26 January 2000 (2000-01-26) paragraphs '0143!, '0183!, '0191!, '0207!; figures 5,8-12	1–19
Α	US 6 548 382 B1 (HENLEY FRANCOIS J ET AL) 15 April 2003 (2003-04-15) column 3, line 34 - column 4, line 50; figures 1-3 -/	1-19

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority clalm(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
15 March 2005	30/03/2005
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Palentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Dauw, X

1

INTERNATIONAL SEARCH REPORT



	·	161/BE2004/00013/
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 014 452 A (SEIKO EPSON CORPORATION) 28 June 2000 (2000-06-28) paragraphs '0013!, '0085!, '0087!, '0091!, '0167!	6,7
A	US 5 773 152 A (OKONOGI KENSUKE) 30 June 1998 (1998-06-30) column 5, line 9 - column 7, line 30; figures 5,6,9	1-19
A	US 6 426 274 B1 (TAYANAKA HIROSHI) 30 July 2002 (2002-07-30) abstract; figures 3,6,7,23,24	1–19
A	US 5 670 411 A (YONEHARA ET AL) 23 September 1997 (1997-09-23) figures 4-6	1-19
	·	

1

INTERNATIONAL SEARCH REPORT



Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2003129780	A1	10-07-2003	FR	2810448	Δ1	21-12-2001
03 2003129780	W.T	10-07-2003				
			AU	6767601		24-12-2001
			CN	1436369		13-08-2003
			EP	1292975		19-03-2003
			WO	0197282		20-12-2001
			JP	2004503942	T	05-02-2004
EP 0975011	Α	26-01-2000	CN	1245971	Α	01-03-2000
			EP	0975011		26-01-2000
			ĴΡ	2000100676		07-04-2000
			TW	444266		01-07-2001
			ÜS	6171932		09-01-2001
	•		US	6472711		29-10-2002
				04/2/11		29-10-2002
US 6548382	B1	15-04-2003	US	2004097055	A1	20-05-2004
EP 1014452	Α	28-06-2000	JР	11312811	Α	09-11-1999
			EP	1014452	A1	28-06-2000
			US	6700631	B1	02-03-2004
			CN	1256794		14-06-2000
			WO	9944242		02-09-1999
			JP	2004165679		10-06-2004
			TW	412774		21-11-2000
•						
			US 	2003008437 		09-01-2003
US 5773152	Α	30-06-1998	JP	2806277		30-09-1998
			JP	8116038	A	07-05-1996
US 6426274	B1	30-07-2002	JP	3381443	B2	24-02-2003
			JP	8213645	Α	20-08-1996
			US	6107213	Α	22-08-2000
			US	5811348		22-09-1998
			ÜS	6326280		04-12-2001
			EP	0797258		24-09-1997
			JP	10135500		22-05-1998
			US	6194239		27-02-2001
			US 	6194245	R1	27-02-2001
US 5670411	Α	23-09-1997	JP	3237888		10-12-2001
•			JP	5217826		27-08-1993
			DE	69332511	D1	09-01-2003
			DE	69332511	T2	24-04-2003
			ĒΡ	0553860		04-08-1993
			C.C	บววจอบน	MZ.	04-00-133.